

## INTERNATIONAL SEARCH REPORT

T/GB2004/003167

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A01B1/24

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01B B60P A01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 218 015 A (DEAN THOMAS) 19 August 1980 (1980-08-19) abstract; figures	1-10
Y	-----	11, 12
Y	BE 698 549 A (NAGY) 3 November 1967 (1967-11-03) claims; figures	11
Y	-----	12
Y	GB 368 299 A (RICHARD JAMES MARKS) 26 February 1932 (1932-02-26) claims; figures	12
X	-----	1, 9, 11
	US 5 769 169 A (MIKSITZ FRANK J) 23 June 1998 (1998-06-23) abstract; figures	
	-----	
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

2 December 2004

Date of mailing of the international search report

10/12/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Walvoort, B

# INTERNATIONAL SEARCH REPORT

■T/GB2004/003167

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 1 991 305 A (WILLITS MILFORD L)  12 February 1935 (1935-02-12)  figures</p> <p>-----</p>	12

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003167

## Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: **13**  
because they relate to subject matter not required to be searched by this Authority, namely:  
**Claim 13 is not in accordance with PCT Rule 6.2(a).**
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/003167

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4218015	A	19-08-1980	GB 1548108 A	04-07-1979
			GB 1549929 A	08-08-1979
			DE 7824074 U1	01-02-1979
			FR 2399788 A1	09-03-1979
-----				
BE 698549	A	03-11-1967	NONE	
-----				
GB 368299	A	26-02-1932	NONE	
-----				
US 5769169	A	23-06-1998	NONE	
-----				
US 1991305	A	12-02-1935	NONE	
-----				